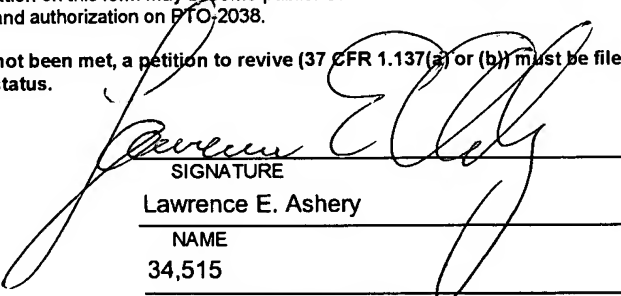



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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> MAT-8706US
<b>INTERNATIONAL APPLICATION NO.</b> PCT/JP2004/004091	<b>INTERNATIONAL FILING DATE</b> 24 March 2004 (24.03.2004)	<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> 10/538,319
<b>TITLE OF INVENTION</b> MECHANICAL RESONATOR		<b>PRIORITY DATE CLAIMED</b> 25 March 2003 (25.03.2003)
<b>APPLICANT(S) FOR DO/EO/US</b> Kunihiko NAKAMURA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PTO-2038; Copy of 371 Formalities Letter; Certificate of Express Mail; Return Receipt Postcard</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/538,319</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/004091</b>		ATTORNEY'S DOCKET NUMBER <b>MAT-8706US</b>									
The following fees have been submitted				CALCULATIONS      PTO USE ONLY									
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... <b>\$300</b>				\$  \$  \$  \$  \$									
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... .. <b>\$0</b> All other situations..... <b>\$200</b>													
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... .. <b>\$0</b> Search fee (37 CFR 1.44(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... <b>\$100</b> International Search Report prepared by an ISA other than the US, and provided to the Office or previously communicated to the US by the IB ..... <b>\$400</b> All other situations..... <b>\$500</b>													
<b>TOTAL OF 21, 22 and 23 =</b>													
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table style="width:100%; border: none;"> <tr> <td style="text-align: right;">Total Sheets</td> <td style="text-align: right;">Extra Sheets</td> <td style="text-align: right;">Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td style="text-align: right;">RATE</td> </tr> <tr> <td colspan="3">- 100 =                      /50 =                      x \$250</td> <td></td> </tr> </table>				Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =                      /50 =                      x \$250				\$  \$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE										
- 100 =                      /50 =                      x \$250													
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130									
CLAIMS		NUMBER FILED		NUMBER EXTRA									
Total claims		- 20 =		x \$ 50									
Independent claims		- 3 =		x \$200									
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360									
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 130</b>									
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.													
<b>SUBTOTAL =</b>				<b>\$ 130</b>									
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$									
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40									
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 170</b>									
03/27/2006 LLANDBRA 00000057 10538319 01 FC:1617 130.00 OP				Amount to be refunded: \$									
				Amount to be charged: \$									
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit t Account No. <u>18-0350</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.													
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.													
SEND ALL CORRESPONDENCE TO:													
<input checked="" type="checkbox"/> Customer Number <u>23122</u>													
OR													
<input checked="" type="checkbox"/> Ratner Prestia, P.O. Box 980, Valley Forge, PA 19482													
<input type="checkbox"/> Ratner Prestia, P.O. Box 1596, Wilmington, DE 19899													
Date : <u>March 22, 2006</u>													
				 SIGNATURE Lawrence E. Ashery NAME 34,515 REGISTRATION NUMBER									

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Kunihiro Nakamura			Docket No. MAT-8706US
Serial No. 10/538,319	Filing Date March 22, 2006	Examiner To Be Assigned	Group Art Unit 2817
Invention: MECHANICAL RESONATOR			
I hereby certify that the following correspondence: <div style="border: 1px solid black; padding: 10px; min-height: 100px;">PTO-1390 and its enclosures</div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 22, 2006.</p> <div style="text-align: right; margin-top: 20px;"><div><u>Kathleen Libby</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></div><div> <i>(Signature of Person Mailing Correspondence)</i></div><div><u>EV 614 759 013 US</u> <i>("Express Mail" Mailing Label Number)</i></div></div>			
<b>Note: Each paper must have its own certificate of mailing.</b>			

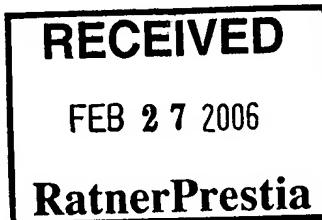


## UNITED STATES PATENT AND TRADEMARK OFFICE

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 United States Patent and Trademark Office  
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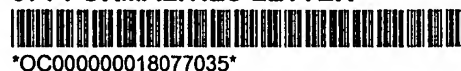
U.S. APPLICATION NUMBER NO. 10/538,319	FIRST NAMED APPLICANT Kunihiko Nakamura	ATTY. DOCKET NO. MAT-8706US
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23122  
 RATNERPRESTIA  
 P O BOX 980  
 VALLEY FORGE, PA 19482-0980



INTERNATIONAL APPLICATION NO. PCT/JP04/04091	
I.A. FILING DATE 03/24/2004	PRIORITY DATE 03/25/2003

CONFIRMATION NO. 1559  
 371 FORMALITIES LETTER



\*OC000000018077035\*

Date Mailed: 02/23/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/13/2005
- Copy of the International Search Report filed on 06/13/2005
- Preliminary Amendments filed on 06/13/2005
- Information Disclosure Statements filed on 06/13/2005
- Oath or Declaration filed on 06/13/2005
- Request for Immediate Examination filed on 06/13/2005
- U.S. Basic National Fees filed on 06/13/2005
- Priority Documents filed on 06/13/2005
- Specification filed on 06/13/2005
- Claims filed on 06/13/2005
- Abstracts filed on 06/13/2005
- Drawings filed on 06/13/2005

Missing Rea Due (2mo) 4-23-06

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The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/538,319	PCT/JP04/04091	MAT-8706US